

CLAIMS:

What is claimed:

- 1.A method for providing device management in a logical volume management system, comprising:
 - 5 receiving device information from a device driver for a device; and
 - transforming the device into a logical disk based on the device information.
- 10 2.The method of claim 1, wherein the device is transformed into the logical disk by a device manager plug-in module.
- 15 3.The method of claim 1, further comprising:
 - transforming the logical disk into a logical partition.
- 20 4.The method of claim 3, wherein the logical disk is transformed into the logical partition by a partition manager plug-in module.
- 5.The method of claim 3, further comprising:
 - constructing a volume group from the logical partition.
- 25 6.The method of claim 5, wherein the volume group is constructed by a volume group emulator plug-in module.
- 30 7.The method of claim 3, further comprising:
 - creating a logical volume from the logical partition.

8. The method of claim 7, wherein the logical volume is created by a feature plug-in module.

5 9. The method of claim 7, further comprising:
 exporting the logical volume.

10. An apparatus for providing device management in a logical volume management system, comprising:

10 receipt means for receiving device information from a device driver for a device; and
 logical disk means for transforming the device into a logical disk based on the device information.

15 11. The apparatus of claim 10, wherein the logical disk means comprises a device manager plug-in module.

12. The apparatus of claim 10, further comprising:
 logical partition means for transforming the logical
20 disk into a logical partition.

13. The apparatus of claim 12, wherein the logical partition means comprises a partition manager plug-in module.

25 14. The apparatus of claim 12, further comprising:
 volume group means for constructing a volume group from the logical partition.

30 15. The apparatus of claim 14, wherein the volume group means comprises a volume group emulator plug-in module.

16. The apparatus of claim 12, further comprising:

logical volume means for creating a logical volume from the logical partition.

5 17. The apparatus of claim 16, wherein the logical volume means comprises a feature plug-in module.

18. The apparatus of claim 16, further comprising:

export means for exporting the logical volume.

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19. A computer program product, in a computer readable medium, for providing device management in a logical volume management system, comprising:

15 instructions for receiving device information from a device driver for a device; and

instructions for transforming the device into a logical disk based on the device information.

20. The computer program product of claim 19, wherein the 20 instructions for transforming the device into a logical disk comprise a device manager plug-in module.